

WHAT IS CLAIMED IS:

1. A conveyor cleaner comprising:
an adhesive layer formed by a viscous body; and
a cleaning roller whose circumferential surface is
5 covered with the adhesive layer, wherein the cleaning
roller is rotatable with the adhesive layer being in
contact with a conveyor face of a conveyor for conveying
a medium.
2. The conveyor cleaner according to claim 1,
10 further comprising an insertion member for being inserted
into the adhesive layer,
wherein the cleaning roller is rotatable with the
insertion member being inserted into the adhesive layer.
3. The conveyor cleaner according to claim 2,
15 wherein an inserted portion of the insertion member into
the adhesive layer has a jag
4. The conveyor cleaner according to claim 2,
wherein surface treatment for reducing adhesion to the
adhesive layer has been applied to an inserted portion of
20 the insertion member into the adhesive layer.
5. The conveyor cleaner according to claim 2,
wherein the insertion member can be inserted into the
adhesive layer at an acute angle to a tangent to a
circumferential surface of the adhesive layer.

6. The conveyor cleaner according to claim 2,
wherein the insertion member has a plurality of parts
arranged along an axis of the cleaning roller at least at
an inserted portion of the insertion member into the
5 adhesive layer.

7. The conveyor cleaner according to claim 2,
wherein the insertion member is made of an elastic
material.

8. The conveyor cleaner according to claim 2,
10 wherein the insertion member can be either inserted into
or separated from the adhesive layer.

9. The conveyor cleaner according to claim 8,
wherein the insertion member is inserted into the
adhesive layer when the adhesive layer is in contact with
15 the conveyor face of the conveyor, and separated from the
adhesive layer when the adhesive layer is separated from
the conveyor face of the conveyor.

10. The conveyor cleaner according to claim 1,
wherein the adhesive layer can be either in contact with
20 or separated from the conveyor face of the conveyor.

11. The conveyor cleaner according to claim 10,
wherein the adhesive layer is either in contact with or
separated from the conveyor face of the conveyor in
accordance with movement of the conveyor.

12. The conveyor cleaner according to claim 10,
further comprising:

a swinging member supporting the cleaning roller
and swingable in accordance with contact or separation
5 between the adhesive layer and the conveyor face of the
conveyor; and

a biasing member for biasing the swinging member so
that the adhesive layer is pressed onto the conveyor face
of the conveyor.

10 13. The conveyor cleaner according to claim 12,
wherein the insertion member is either inserted into or
separated from the adhesive layer in accordance with
swing of the swinging member.

14. The conveyor cleaner according to claim 1,
15 wherein the cleaning roller comprises a shaft as a center
of rotation and a base body covering a circumferential
surface of the shaft, and the adhesive layer is provided
on a circumferential surface of the base body.

15. The conveyor cleaner according to claim 14,
20 wherein the base body is made of one of a foaming
material and a nonwoven fabric.

16. The conveyor cleaner according to claim 14,
wherein the base body is made of an elastic material.

17. The conveyor cleaner according to claim 14,

wherein the base body entirely covers the circumferential surface of the shaft.

18. The conveyor cleaner according to claim 14,
wherein the base body partially covers the
5 circumferential surface of the shaft and a gap where the
circumferential surface of the shaft is not covered with
the base body is filled up with the adhesive layer.

19. The conveyor cleaner according to claim 1,
wherein the cleaning roller is driven by driving of the
10 conveyor.

20. The conveyor cleaner according to claim 1,
wherein the circumferential surface of the cleaning
roller has a plurality of projected portions in a region
covered with the adhesive layer.

15 21. The conveyor cleaner according to claim 1,
wherein the conveyor is a belt stretched between and
wrapped around conveyor rollers, and the cleaning roller
can be rotated with the adhesive layer being in contact
with a wrapped portion of the conveyor face of the belt
20 on one of the conveyor rollers.

22. The conveyor cleaner according to claim 1,
wherein one of the conveyor face of the conveyor and the
adhesive layer is made of a silicon-base material and the
other is made of a non-silicon-base material.

23. A conveyor cleaner comprising:

a cleaning roller;

an adhesive layer formed by a viscous body and
covering a circumferential surface of the cleaning

5 roller; and

a mechanism for moving at least one of a conveyor
and the cleaning roller so that the adhesive layer can be
selectively at a position where the adhesive layer is in
contact with a conveyor face of a conveyor for conveying
10 a medium and a position where the adhesive layer is
separated from the conveyor face of the conveyor.

24. A conveyor cleaner comprising:

an adhesive layer formed by a viscous body;

a cleaning roller whose circumferential surface is
15 covered with the adhesive layer, the cleaning roller
being rotatable with the adhesive layer being in contact
with a conveyor face of a conveyor for conveying a
medium; and

a thin plate for being inserted into the adhesive
20 layer,

wherein the cleaning roller is rotatable with the
thin plate being inserted into the adhesive layer.

25. An ink-jet printing apparatus comprising:

the conveyor cleaner according to claim 1;

a conveyor for conveying a medium; and
an ink-jet head for ejecting ink onto the medium
being conveyed by the conveyor.

26. The ink-jet printing apparatus according to
5 claim 25, wherein the apparatus further comprises a cap
for covering the ink-jet head, and the adhesive layer is
separated from the conveyor face of the conveyor when the
ink ejection face of the ink-jet head is covered with the
cap.

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